

MEMORANDUM FOR: All NWS Regional Headquarters, Regional Maintenance Specialists, Electronic Systems Analysts, and Electronics Technicians [Engineering Handbook (EHB)-9 Distribution]

FROM: W/OPS1 - Mark Paese (Acting)

SUBJECT: Transmittal Memorandum for EHB-9 Issuance 02-06

1. Material Transmitted:

Engineering Handbook No. 9 (EHB-9), Section 3.6, Rev A to Modification Note 2 Addendum, M003 Micro-ART Modem Implementation.

2. Summary:

This note supplements the existing Modification Note 2 Addendum in EHB-9, Section 3.6, and provides installation instruction for the new upper air 56K modem. File this note in EHB-9, Section 3.6, preceding M003 Modification Note 2 Addendum.

3. Effect on Other Instructions:

None.

M003 MODIFICATION NOTE 2 ADDENDUM, REV A (for Electronics Technicians)
Maintenance, Logistics & Acquisition Division
W/OPS12: FJZ


Page change to M003 Modification Note 2 Addendum

SUBJECT	: M003 Micro-ART 56K Modem Installation
PURPOSE	: Provides U.S. Robotics 56K Faxmodem installation instructions
EQUIPMENT AFFECTED	: All M003 Microcomputer Systems
PARTS REQUIRED	: U.S. Robotics 56K Faxmodem ASN: M003-6, NSN: 5895-01-462-4503
SPECIAL TOOLS REQUIRED	: None.
MODIFICATION PROCUREMENT	: None.
SITES AFFECTED	: All ART-1 and ART-2 sites
ESTIMATED TIME REQUIRED	: 15 minutes
EFFECT ON OTHER : INSTRUCTIONS	Place this note with M003 Modification Note 2 Addendum in EHB-9, Section 3.6.
AUTHORIZATION	: N/A
VERIFICATION STATEMENT	: This procedure was tested at the Sterling Research and Development Center at Sterling, VA.
TECHNICAL ASSISTANCE	: For questions or problems pertaining to this modification procedure, please contact Franz J. G. Zichy at 301-713-1833 x128.

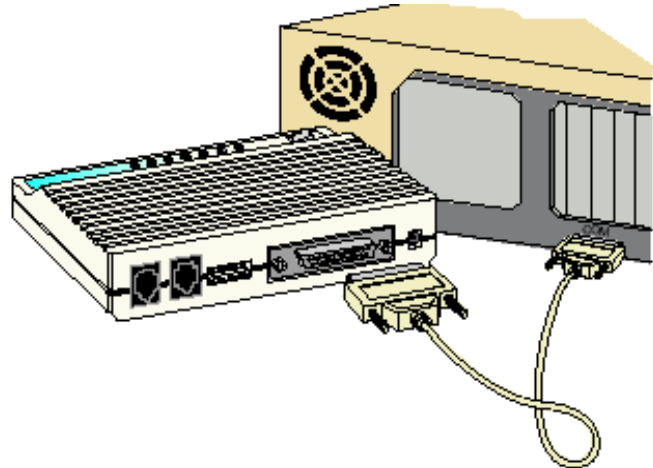
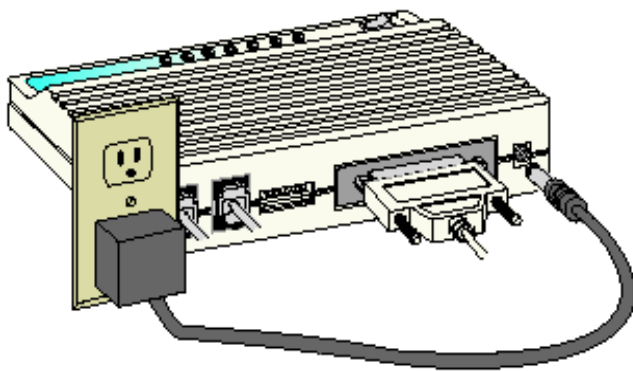
GENERAL:

The Hayes 300 baud modems are no longer available. This modification note provides installation instructions and proper DIP switch setting for the new upper air U.S. Robotics 56K Faxmodem.

PROCEDURE:

1. Turn OFF the M003 microcomputer.
2. Connect one end of the RS-232 serial cable (not included) to the modem and the other to the M003 Microcomputer System (figure 1).
3. Plug the power supply into the modem's power jack (labeled on the modem's underside) as  and into

a surge protector or electrical outlet (figure 2). Use the power supply that came with the modem, as others may be of a different voltage rating and could damage the modem.

**Figure 1****Figure 2**

4. Ensure the DIP switches on the back of the modem are set correctly. DIP switches 3, 5, and 8 should be in the down position (figure 3).
5. Turn ON the M003 microcomputer and modem.
6. Verify the CS light on the modem is illuminated.
7. Test the modem by retransmitting the day's last observation. At an AWIPS workstation, verify the message has been received.

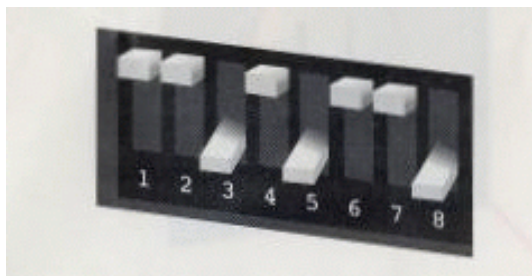


Figure 3

This completes the modem installation procedure.

REPORTING MODIFICATION

Report the completed modification on a WS Form A-26, Maintenance Record, according to instructions in Engineering Handbook No. 4 (EHB-4), Engineering Management Reporting System (EMRS), Part 2, and Appendix I. A sample A-26 form is attached.

Block #	Block Type	Information
5	Description	Installed M003 Micro-ART 56K Modem
7	Equipment Code	M003 (as appropriate)
8	Serial Number	011
17a	Mod. No.	2A

Mark Paese (Acting)
Chief, Maintenance, Logistics, and Acquisition Division

Attachment A - WS Form A-26 Sample

Appendix A - WS Form A-26 Sample

WS FORM A-26 (4/94)		WS FORM A-26 (4/94)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE				Document Number G 49978			
ENGINEERING MANAGEMENT REPORTING SYSTEM MAINTENANCE RECORD													
General Information		1. Open Date 3 / 25 / 02		Time 0900		2. Initials JMM		3. Response Priority (check one) <input type="radio"/> Immediate <input type="radio"/> Routine <input checked="" type="radio"/> Not Applicable		4. Close Date 3 / 25 / 02		Time 1000	
5. Description Install 56K Faxmodem on Upper Air M003 computer													
Equipment Information		6. Station ID FFC		7. Equipment Code M003		8. Serial Number 012		9. TM M		10. AT M		11. How Mal. 999	
12. EQUIPMENT OPERATIONAL STATUS TIMES		a. Fully Operational 1:00		b. Logistics Delay <input type="text"/>		Partly Operational <input type="text"/>		c. All Other <input type="text"/>		d. Logistics Delay <input type="text"/>		Not Operational <input type="text"/>	
13. Parts Failure Information										14. Work Load Information			
Block #	a. ASN	b. NSN	c. TM	d. AT	e. How Mal.	f. Qty.	g. Maint. Hrs.	Type	Staff Hrs.				
1								a. Routine					
2								b. Non-routine					
3								c. Travel					
4								d. Misc.	1:00				
5								e. Overtime					
Miscellaneous Information		15. Maintenance Comments Installed 56K Faxmodem on M003 computer I.A.W. M003 Modification Note 2, Revision A								16. Initials JMM			
17. SPECIAL PURPOSE REPORTING		a. Mod. No. 2A		b. Mod./Act./Deact Date 3/25/02		c.		d.		e.			
18. CONFIGURATION MGMT. REPORTING (use as directed)		ASN		Vendor Part Number (New Part)		Serial Number (Old Part)		Serial Number (New Part)					